

5

10

ABSTRACT OF THE DISCLOSURE

A method of for testing complementation of nucleic acid fragment is performed by the steps of:

- 15 bringing a sample nucleic acid complex composed of a double-stranded nucleic acid structure and a labeled intercalator, in which the double-stranded nucleic acid structure has been produced by contact of a sample nucleic acid fragment with a probe molecule fixed to a solid carrier, into contact with an aqueous medium;
- 20 applying variation of surrounding conditions to the aqueous medium, to cause disengagement of the sample fragment and intercalator from the complex and simultaneously measuring decrease of quantity of the label on the carrier, so that stability of the sample fragment in the complex is determined; and
- 25 comparing the stability determined above with reference stability data.